

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-25 (Canceled).

Claim 26 (Currently Amended): A method for surface-treatment on a portion of a component of a turbine engine, comprising:

forming a coating including SiC coated on the portion [[of]] by processing the portion as a workpiece of an electric spark machine with a tool electrode of Si in a liquid including alkane hydrocarbons.

Claim 27 (Previously Presented): The method of claim 26, further comprising:
processing the coating with a peening treatment.

Claim 28 (Previously Presented): The method of claim 26, wherein the portion is limited to a leading edge, a suction sidewall, a pressure sidewall, a tip end face, and a flow pathway of the component by making the tool electrode to approach the portion.

Claim 29 (Canceled).

Claim 30 (Currently Amended): The method of claim 26, wherein the tool electrode is formed from powder of Si powder.

Claim 31 (Previously Presented): The method of claim 30, wherein the tool electrode is formed by a method selected from the group consisting of compression, slurry pouring, metal injection molding and spray forming.

Claim 32 (Currently Amended): The method of claim 26, wherein the tool electrode consists essentially of Si.